

Application No. 09/729,349
Amendment in response to February 9, 2005, Action

Attorney's Docket No. 0119-065

LISTING OF CLAIMS

This Listing of Claims replaces all prior versions and listings of the claims in this application.

1. (previously presented) A digital communication system, comprising:
nodes, the nodes including a central node and at least two peripheral nodes, the central node comprising all means for the communication in the system and a memory for storing information related to the system itself and/or the individual nodes, the nodes each comprising a transmitter and a receiver, and information only being directly transferred between the central node and each of the peripheral nodes; and

control means in the central node for transferring information stored in the memory means related to the system and/or the individual nodes to every peripheral node;

wherein a first one of the nodes is a central node of a first group of the nodes and a second one of the nodes is a central node of a second group of the nodes, the first and second nodes being different nodes and the nodes being capable of being members in both the first and second group, each node having first memory means for storing information relating to information on the first one of the nodes and on the nodes of the first group and second memory means for storing information relating to information on the second one of the nodes and on the nodes of the second group.

2. (previously presented) The digital communication system according to claim 1, wherein each peripheral node comprises means for storing the information.

3. (previously presented) The digital communication system according to claim 1, wherein the direct transferring of information is made wirelessly, in particular using short range radio waves.

4. (previously presented) The digital communication system according to claim 1, wherein the control means in the central node are arranged to transfer address information comprising at least one address of each of the peripheral nodes.

5. (previously presented) The digital communication system according to claim 1, wherein the control means in the central node are arranged to transfer compatibility related information.

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6. (previously presented) The digital communication system according to claim 1, wherein the system is a Bluetooth piconet.

7. (canceled)

8. (previously presented) The digital communication system according to claim 7, wherein the nodes have control units connected to the transmitters and receivers for transferring to a central node information on a change of a node to being or to finishing being a member in both the first and second groups.

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)

17. (canceled)

18. (canceled)

19. (canceled)

20. (canceled)

21. (canceled)

22. (canceled)

23. (previously presented) A method in a digital communication system comprising nodes, the nodes including a central node and at least two peripheral nodes, information only being directly transferred between the central node and each of the peripheral nodes, the central node controlling all the communication in the system, and information related to the system itself and/or the individual nodes being stored in the central node, the method comprising:

transferring information related to the system and/or the nodes to every peripheral node;

wherein a first one of the nodes is a master node of a first group of the nodes, a second one of the nodes is a master node of a second group of the nodes, the first and

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second ones of the nodes being different nodes and the group of first nodes and the group of second nodes having a node in common, this node being a forwarding node, characterized in that when a node changes from being a forwarding node to not being a forwarding node, or vice versa, a message is sent to all the nodes in the first and second groups except the node itself.

24. (previously presented) The method according to claim 23, wherein the message is sent from the master nodes of the first and second groups.

25. (previously presented) The method according to claim 23, wherein the message is sent from the node itself.

26. (previously presented) The method according to claim 23, wherein before sending the message, information of the change of forwarding node status in the node is transferred from the node to the master node of the first group, and to the master node of the second group, provided that the node is not the master node of the second group.